

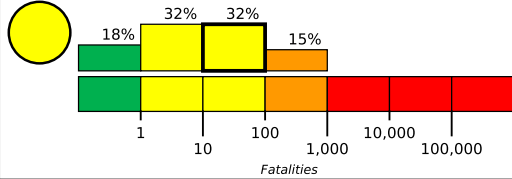
M 5.9, 120 km WSW of Myitkyina, Myanmar

Origin Time: 2023-05-31 11:20:14 UTC (Wed 17:50:14 local)
Location: 25.1140° N 96.2363° E Depth: 10.0 km

PAGER
Version 3

Created: 1 week, 3 days after earthquake

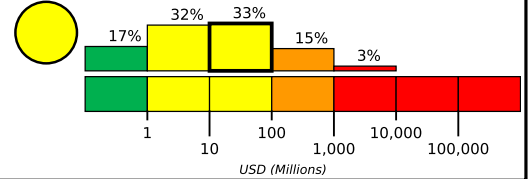
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Burma.

Estimated Economic Losses

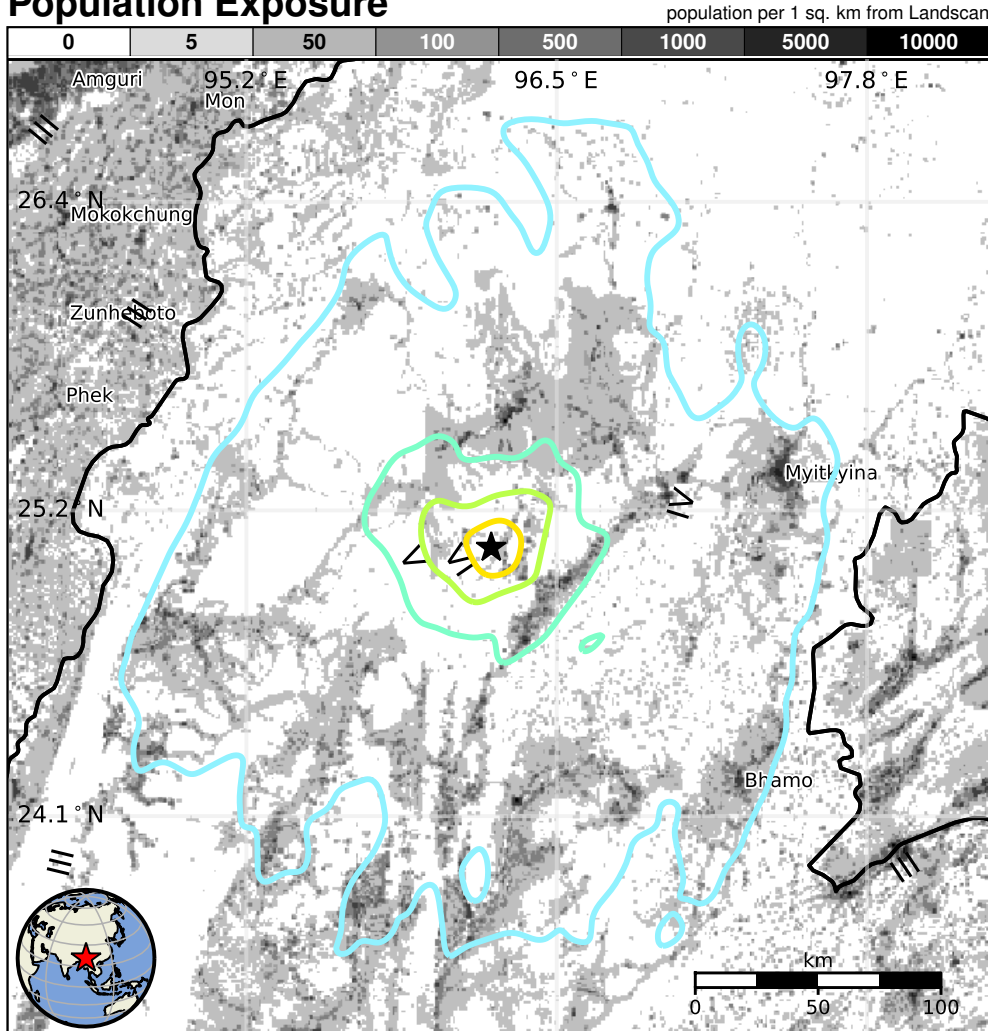


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	4,215k*	2,803k	238k	53k	19k	4k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with wood and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-07-21	246	6.1	VIII(23k)	11
1984-12-30	345	6.0	IX(4k)	20
1976-05-29	278	6.7	IX(19k)	98

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Myitkyina	91k
IV	Bhamo	48k
IV	Zhangfeng	<1k
III	Pingyuan	<1k
III	Amguri	8k
III	Mariani	24k
III	Tuensang	34k
III	Mawlaik	45k
III	Mon	19k
III	Mokokchung	34k
III	Zunheboto	29k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000k58h#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000k58h